

## XP-002287960

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AP - JP19880003748 19880113

CPY - CANO

DC - G02

FS - CPI

IC - C09D11/00

MC - G02-A04A G05-F

PA - (CANO ) CANON KK

PN - JP1182379 A 19890720 DW198935 007pp

PR - JP19880003748 19880113

XA - C1989-112143

XIC - C09D-011/00

AB - J01182379 Recording liq. comprises emulsion of oil phase dispersed in aq. medium contg. at least colourant. The concn. of calcium ion in the liq. is less than 4ppm.

- The oil phase contains pref. UV absorbing agent and/or antioxidant. The colour is pref. water-soluble dye or dispersion dye.

- ADVANTAGE - The recording liq. gives an image with improved waterproofness, because the oil acts as water repellent. Through controlling the concn. of calcium ion in appropriate range, the liq. has superior shelf stability, and the clogging of the orifice edge of printer is eliminated.

- In an example, Acid Blue 9 was dissolved in water, filtered with ultrafiltration device so as to remove inorganic salt, made to pass through a column packed with 'Dowex A-1' (RTM:ion exchange resin) so as to remove calcium ion and then dried up. To the emulsion of 'Cyanox 1212' (RTM:UV absorbing agent) 10g and butylbenzoate 80g dispersed in aq. soln. of PVA 5g in water 300g was added purified dye prepd. as above 15g and ethylene glycol 80g and agitated together for 2 hrs, so that recording liq. was obtd.(0/0)

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NC - 001

OPD - 1988-01-13

ORD - 1989-07-20

PAW - (CANO ) CANON KK

TI - Ink jet recording liq. - comprising emulsion of oil phase dispersed in aq. medium contg. colourant